

ABSTRACT OF THE DISCLOSURE

The present invention provides a system and method for automatic discovery of network addresses. Briefly described, in architecture, one embodiment of the apparatus, among others, comprises: an announcer logic; a listener logic; and a forwarder logic. The announcer logic is configured to transmit a node address and a forward counter associated with each known node in a list, if the forward counter is greater than zero, to all nodes in the list having a static type. The listener logic is configured to receive an announcement packet and to add to the list of known nodes at least one new node. The node address and the forward counter of the new node correspond to the announcement packet, and the new node has a discovered type. The forwarder logic is configured to transmit the node address and the forward counter associated with the new node, if the forward counter is greater than zero, to all known nodes in the list.